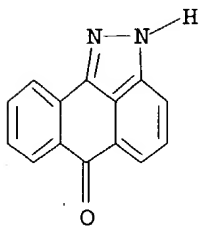


=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 06:55:43 ON 01 JUL 2004)

FILE 'REGISTRY' ENTERED AT 06:55:47 ON 01 JUL 2004

L1 STRUCTURE UPLOADED  
L2 5 S L1  
L3 121 S L1 FULL  
L4 114 S L3 AND CAPLUS/LC  
L5 7 S L3 NOT L4

FILE 'CAPLUS' ENTERED AT 06:58:15 ON 01 JUL 2004

L6 155 S L3

FILE 'REGISTRY' ENTERED AT 06:58:37 ON 01 JUL 2004

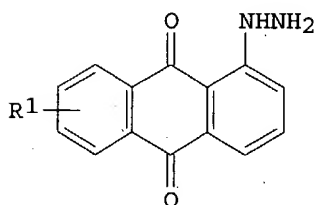
L7 2 S L3 AND REF.CAPLUS>10  
L8 1 S L3 AND REF.CAPLUS>20  
L9 120 S L3 NOT L8

FILE 'CAPLUS' ENTERED AT 07:02:27 ON 01 JUL 2004

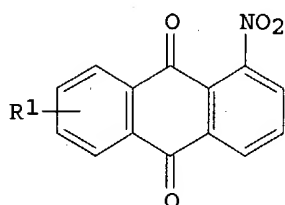
L10 65 S L9  
L11 19 S L8/THU  
L12 19 S L6 AND L11

L6 ANSWER 73 OF 155 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1979:203774 CAPLUS  
 DOCUMENT NUMBER: 90:203774  
 TITLE: 1-Anthraquinonylhydrazines  
 INVENTOR(S): Tzikas, Athanassios  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: Ger. Offen., 15 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

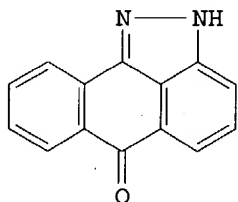
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2838091	A1	19790315	DE 1978-2838091	19780831
CH 633525	A	19821215	CH 1977-10735	19770902
US 4202827	A	19800513	US 1978-935035	19780818
FR 2401908	A1	19790330	FR 1978-25091	19780830
FR 2401908	B1	19840720		
CA 1108609	A1	19810908	CA 1978-310414	19780831
BE 870138	A1	19790301	BE 1978-190195	19780901
BE 870139	A1	19790301	BE 1978-190196	19780901
GB 2003476	A	19790314	GB 1978-35366	19780901
GB 2003476	B2	19820310		
ES 473017	A1	19790316	ES 1978-473017	19780901
BR 7805716	A	19790417	BR 1978-5716	19780901
JP 54048746	A2	19790417	JP 1978-107028	19780902
PRIORITY APPLN. INFO.: GI			CH 1977-10735	19770902



I



II



III

AB Three hydrazinoanthraquinones I (R = H, NHNH<sub>2</sub>) were prepared by hydrazinolysis of nitroanthraquinones II (R<sub>1</sub> = H, NO<sub>2</sub>) in aprotic dipolar solvents. Thus, 1-nitroanthraquinone in 1-methyl-2-pyrrolidone was treated during 1 h with H<sub>2</sub>NNH<sub>2</sub>.H<sub>2</sub>O in 1-methyl-2-pyrrolidone at room temperature

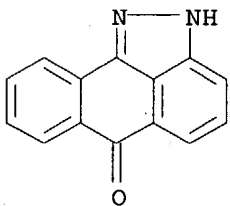
to 38° and the mixture stirred 0.5 h to give I (R = H). Cyclizing I (R = H) by concentrated H<sub>2</sub>SO<sub>4</sub> at ≤100° 0.5 h, then 2 h at 100-10°, gave pyrazoloanthrone III.

IT 129-56-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 129-56-6 CAPLUS

CN Anthra[1,9-cd]pyrazol-6(2H)-one (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



L6 ANSWER 90 OF 155 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1973:45026 CAPLUS  
 DOCUMENT NUMBER: 78:45026  
 TITLE: Fiber-reactive, water-insoluble dyes  
 PATENT ASSIGNEE(S): Farbwerke Hoechst A.-G.  
 SOURCE: Brit., 31 pp.  
 CODEN: BRXXAA  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1293557	A	19721018	GB 1969-1293557	19691031
CH 538527	A	19730815	CH 1968-16590	19681107
FR 2024807	A5	19700903	FR 1969-36157	19691022
GB 1293558	A	19721018	GB 1969-1293558	19691031
ES 373225	A1	19720416	ES 1969-373225	19691106
PRIORITY APPLN. INFO.:			CH 1968-16590	19681107
			CH 1969-14584	19690926

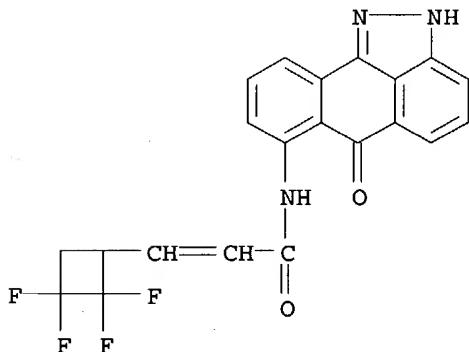
AB Fiber-reactive disperse azo, anthraquinone, perinone, quinophthalone, styryl, and nitro dyes containing a 3-(2,2,3,3-tetrafluorocyclobutyl)acrylamid o group (Q) were prepared and used to dye wool, polyamide, polyester, and polyacrylonitrile fibers. Thus, 3,4-Cl(H<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>SO<sub>2</sub>Me was diazotized and coupled with m-QC<sub>6</sub>H<sub>4</sub>N(CH<sub>2</sub>CH<sub>2</sub>OAc)<sub>2</sub> to give azo reactive dye I [27391-56-6], washfast orange on nylon. In another example, 1-hydroxy-4-(p-aminoanilino)anthraquinone was acylated with β-(2,2,3,3-tetrafluorocyclobutyl)acryloyl chloride to give anthraquinone reactive dye II [29452-96-8], blue or nylon. Approx. 10 other dyes were prepared similarly.

IT 29452-69-5P

RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation of)

RN 29452-69-5 CAPLUS

CN 2-Propenamide, N-(2,6-dihydro-6-oxoanthra[1,9-cd]pyrazol-7-yl)-3-(2,2,3,3-tetrafluorocyclobutyl)- (9CI) (CA INDEX NAME)

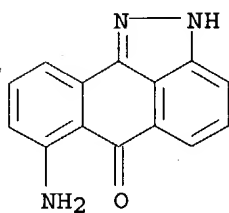


IT 41313-85-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with tetrafluorocyclobutaneacryloyl chloride)

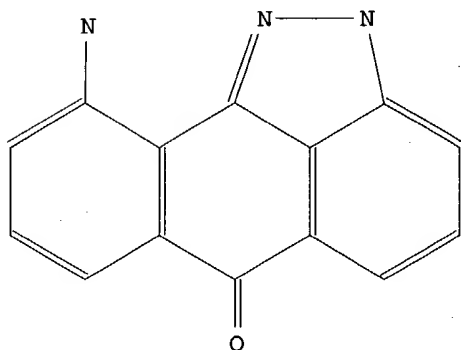
RN 41313-85-3 CAPLUS

CN Anthra[1,9-cd]pyrazol-6(2H)-one, 7-amino- (9CI) (CA INDEX NAME)



L14 ANSWER 13 OF 27 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Beilstein Records (BRN): 660501  
 Chemical Name (CN): 10-amino-1(2)H-dibenzo<cd,g>indazol-6-one  
 Autonom Name (AUN): 10-amino-2H-dibenzo<cd,g>indazol-6-one  
 Molec. Formula (MF): C14 H9 N3 O  
 Molecular Weight (MW): 235.24  
 Lawson Number (LN): 29742  
 Compound Type (CTYPE): heterocyclic  
 Constitution ID (CONSID): 620251  
 Tautomer ID (TAUTID): 641711  
 Beilstein Citation (BSO): 5-25  
 Entry Date (DED): 1988/11/28  
 Update Date (DUPD): 1992/09/03



## Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
=====		

RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

## Melting Point:

Value	Ref.
(MP)	
(Cel)	
=====	=====
212	1

## Reference(s):

1. Patent: Bayer DE 1257149 1963, Chem.Abstr., 69(10433g), <1968>

## Reaction:

RX

Reaction ID (.ID):	5978456
Product BRN (.PBRN):	660501
Product (.PRO):	10-amino-1(2)H-dibenzo<cd,g>indazol-6-one
No. of React. Details (.NVAR):	1

## Reaction Details:

RX

Reaction RID (.RID):	5978456.1
Reaction Classification (.CL):	Preparation (half reaction)
Reference(s):	
1. Patent: Bayer DE 1257149 1963, Chem.Abstr., 69(10433g), <1968>	

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1968:410433 CAPLUS  
DOCUMENT NUMBER: 69:10433  
TITLE: 4-, 5-, or 8-Amino-1,9-pyrazoloanthrones  
INVENTOR(S): Neeff, Ruetger  
PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.  
SOURCE: Ger., 2 pp.  
CODEN: GWXXAW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

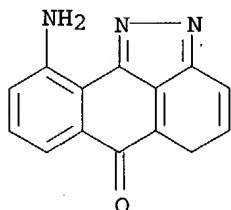
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 1257149		19671228	DE	19630604 <--
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AB The title compds. are prepared by treating 1-anthraquinonesulfonic acids which contain a nitro group in the 4-, 5-, or 8-position, or their alkali salts, with N<sub>2</sub>H<sub>4</sub>.H<sub>2</sub>O at 70-120° in the presence of BaCl<sub>2</sub>. Thus, 30 parts Na 5-nitroanthraquinone-1-sulfonate was added to a mixture of 100 parts 100% N<sub>2</sub>H<sub>2</sub>.H<sub>2</sub>O and 0.2 parts octanol, boiled 1 hr., cooled, and the red crystalline product removed by suction and washed with water. The yield was 70% 7-amino-6, 11-dihydro-1H-pyrazolo[3,4,5-an]anthracene (I) m. 349-50°. Similarly prepared was the 10 amino analog of I, decomposing 212°.



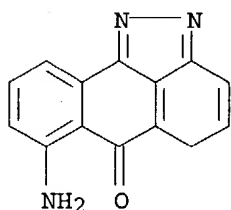
L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 20430-53-9 REGISTRY  
CN Anthra[1,9-cd]pyrazol-6(5H)-one, 10-amino- (8CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H9 N3 O  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 20430-52-8 REGISTRY  
CN Anthra[1,9-cd]pyrazol-6(5H)-one, 7-amino- (8CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H9 N3 O  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)